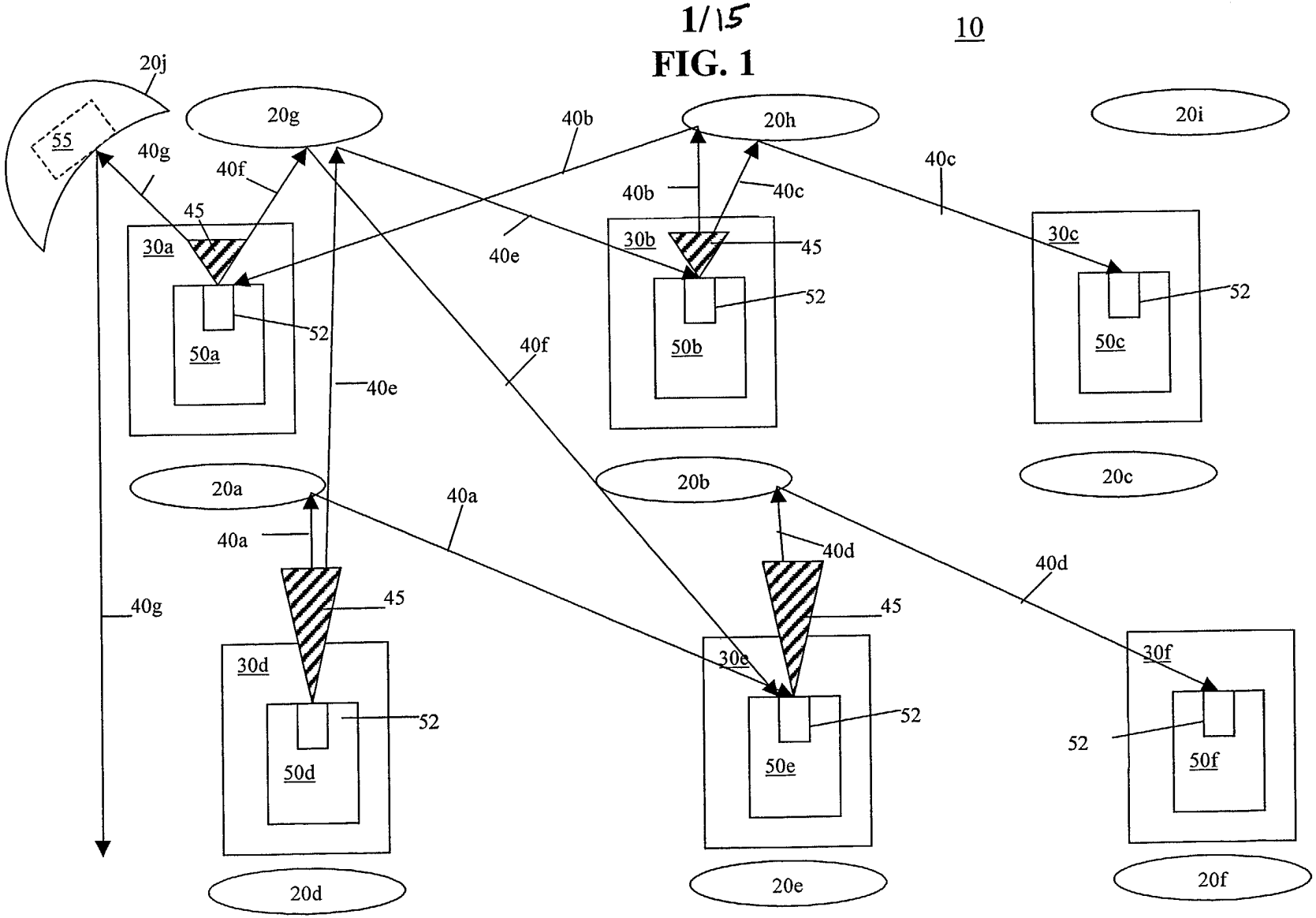
"Method and Apparatus for Using Strategically Located Reflectors to Create Pathways for Networking of Line-of-Sight Computing Devices" by Patton
Serial No.: Not yet assigned. Filed: Herewith
David G. Miranda (617) 248-7954
Docket No.: SRI-014 Sheet 1 of 15
Express Mail Mailing Label No. EL902309094US

FIG. 1



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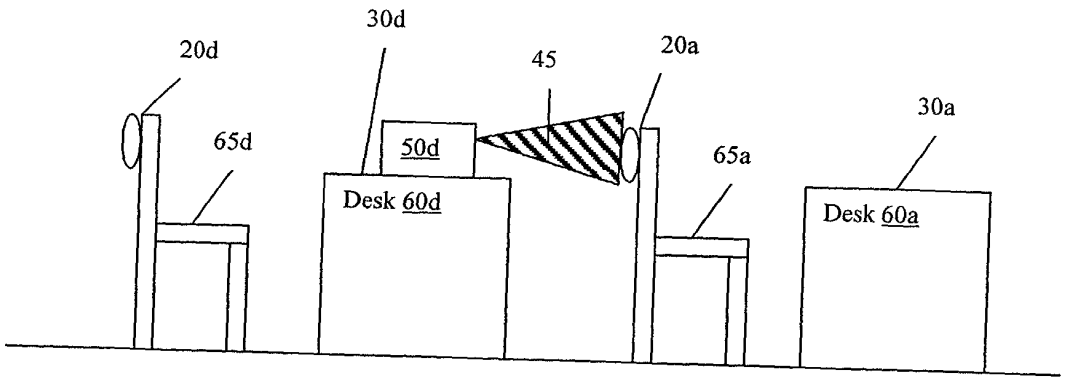
Docket No.: SRI-014 Sheet 2 of 15
Express Mail Mailing Label No. EL902309094US

FIG. 2



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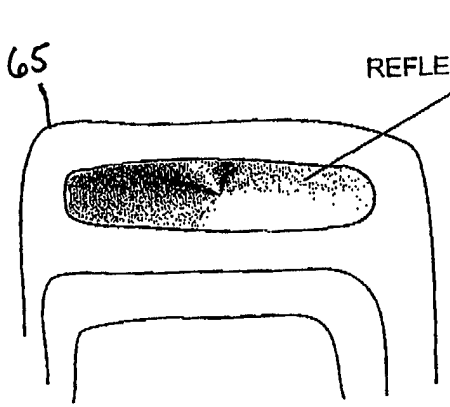
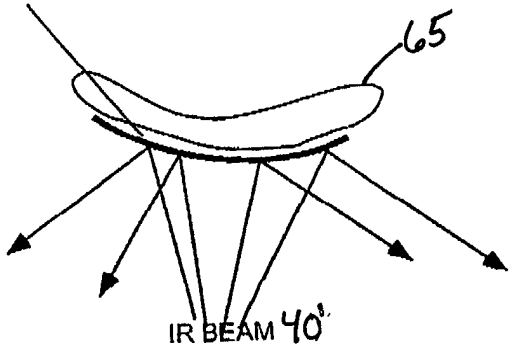
Docket No.: SRI-014 Sheet 3 of 15
Express Mail Mailing Label No. EL902309094US



STUDENT CHAIR_BACK
FROM BEHIND

FIG. 3A



STUDENT CHAIR_BACK
TOP VIEW

FIG. 3B

"Method and Apparatus for Using Strategically Located Reflectors to Create Pathways for Networking of Line-of-Sight Computing Devices," by Patton
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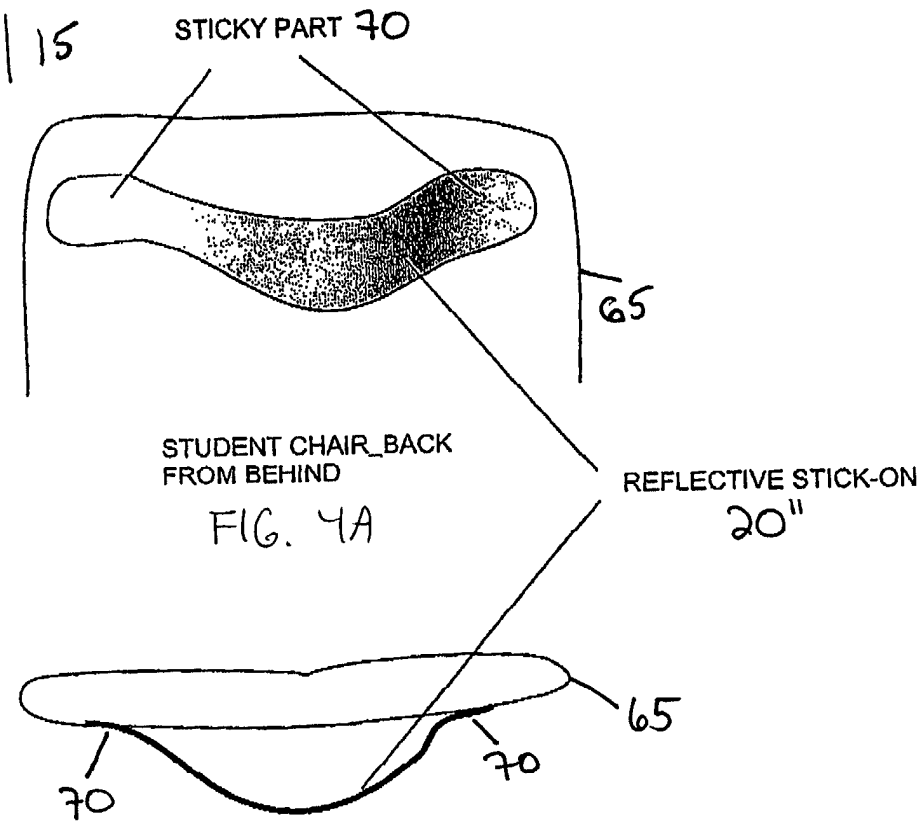
Docket No.: SRI-014 Sheet 4 of 15
Express Mail Mailing Label No. EL902309094US



STUDENT CHAIR_BACK
FROM BEHIND

FIG. 4A

STUDENT CHAIR_BACK
TOP VIEW

FIG. 4B

"Method and Apparatus for Using Strategically Located Reflectors to Create Pathways for Networking of Line-of-Sight Computing Devices" by Patton
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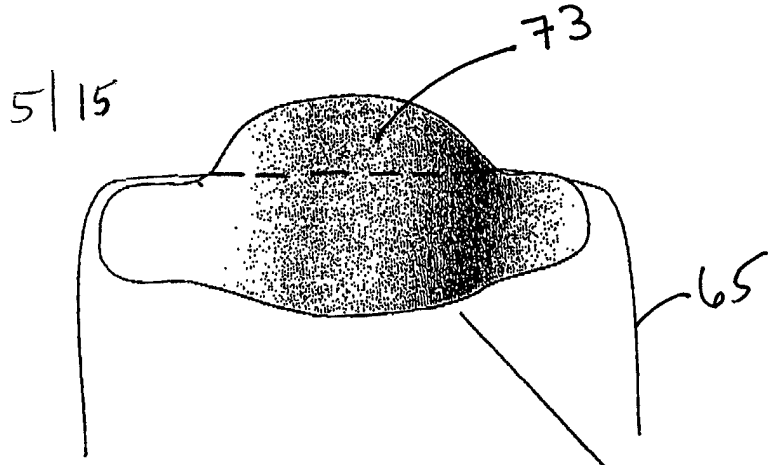
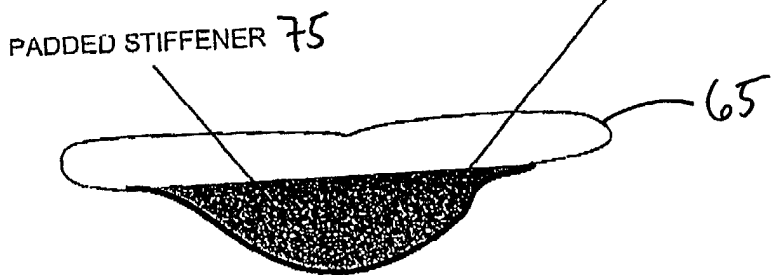
Express Mail Mailing Label No. EL902309094US



STUDENT CHAIR_BACK
FROM BEHIND
FIG. 5A



STUDENT CHAIR_BACK
TOP VIEW
FIG. 5B

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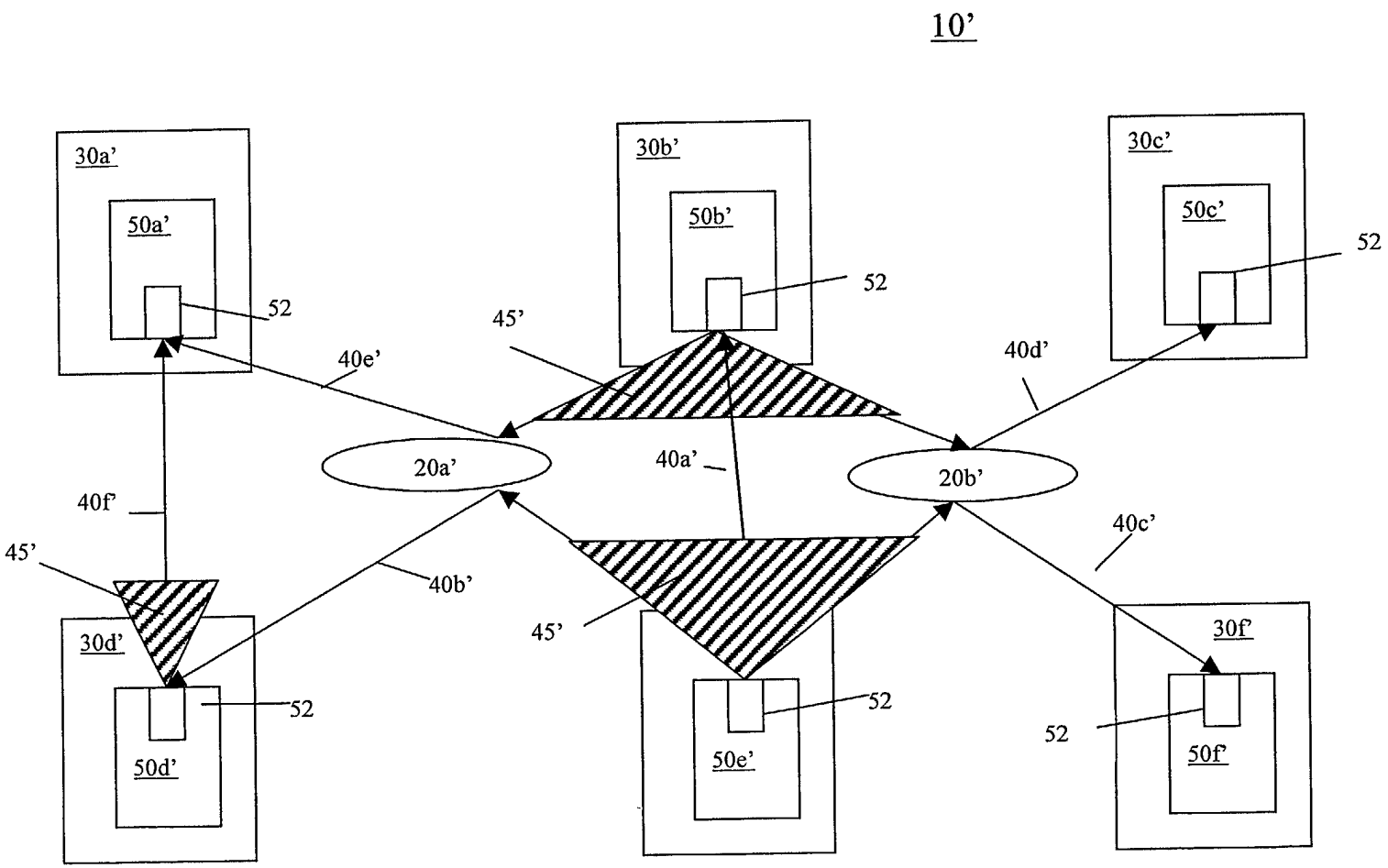
FIG. 6


10'
30a'
50a'
52
40e'
45'
30b'
50b'
52
30c'
50c'
52
40d'
20a'
40a'
20b'
40f'
45'
40b'
40c'
30d'
52
50d'
45'
50e'
52
30f'
52
50f'

320

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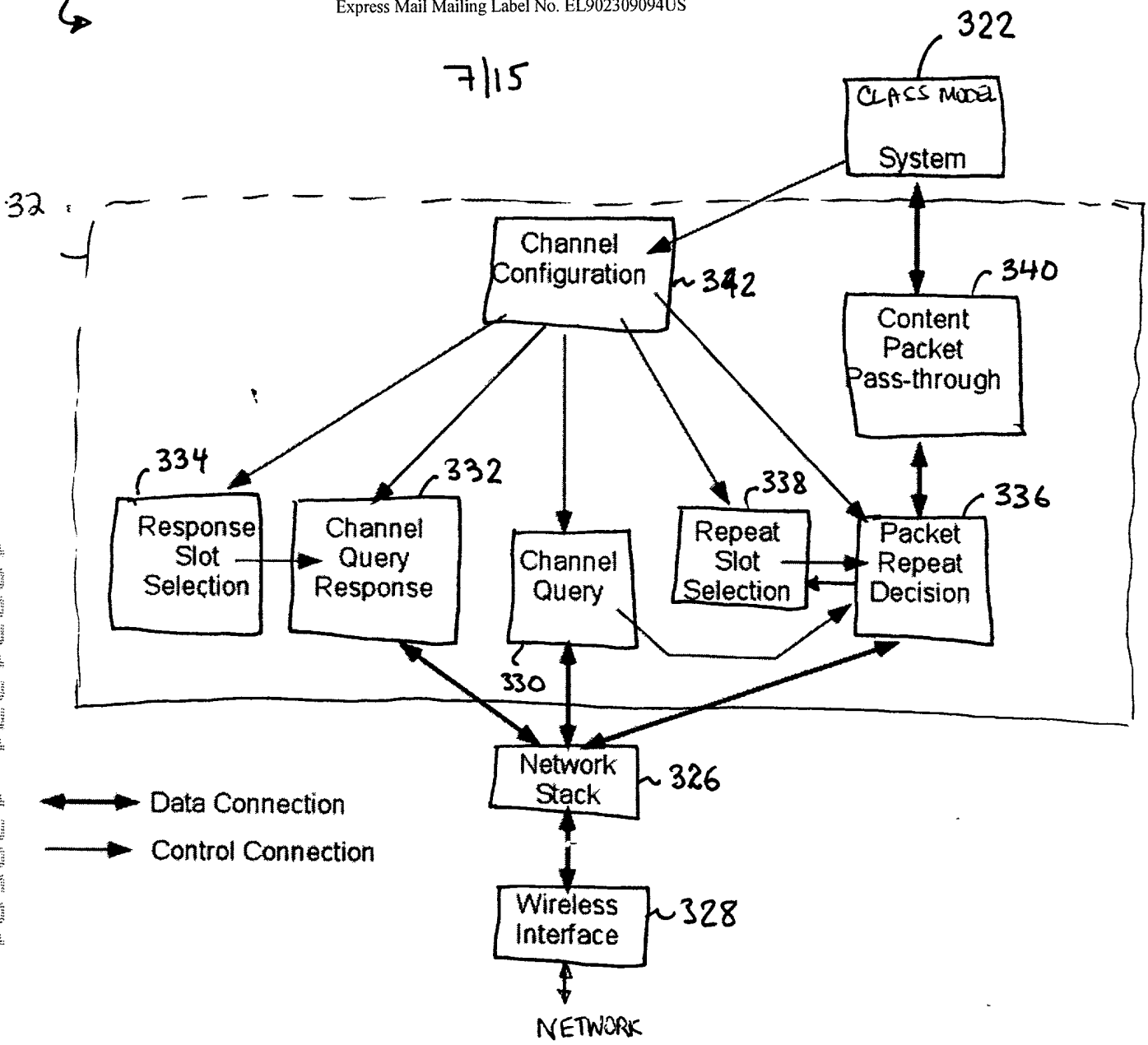
322
Class Model System
32
Channel Configuration
342
340
Content Packet Pass-through
334
332
338
336
Response Slot Selection
Channel Query Response
Channel Query
Repeat Slot Selection
Packet Repeat Decision
330
Network Stack
326
Data Connection
Control Connection
Wireless Interface
328
NETWORK

FIG. 7

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Channel Query Flow Chart

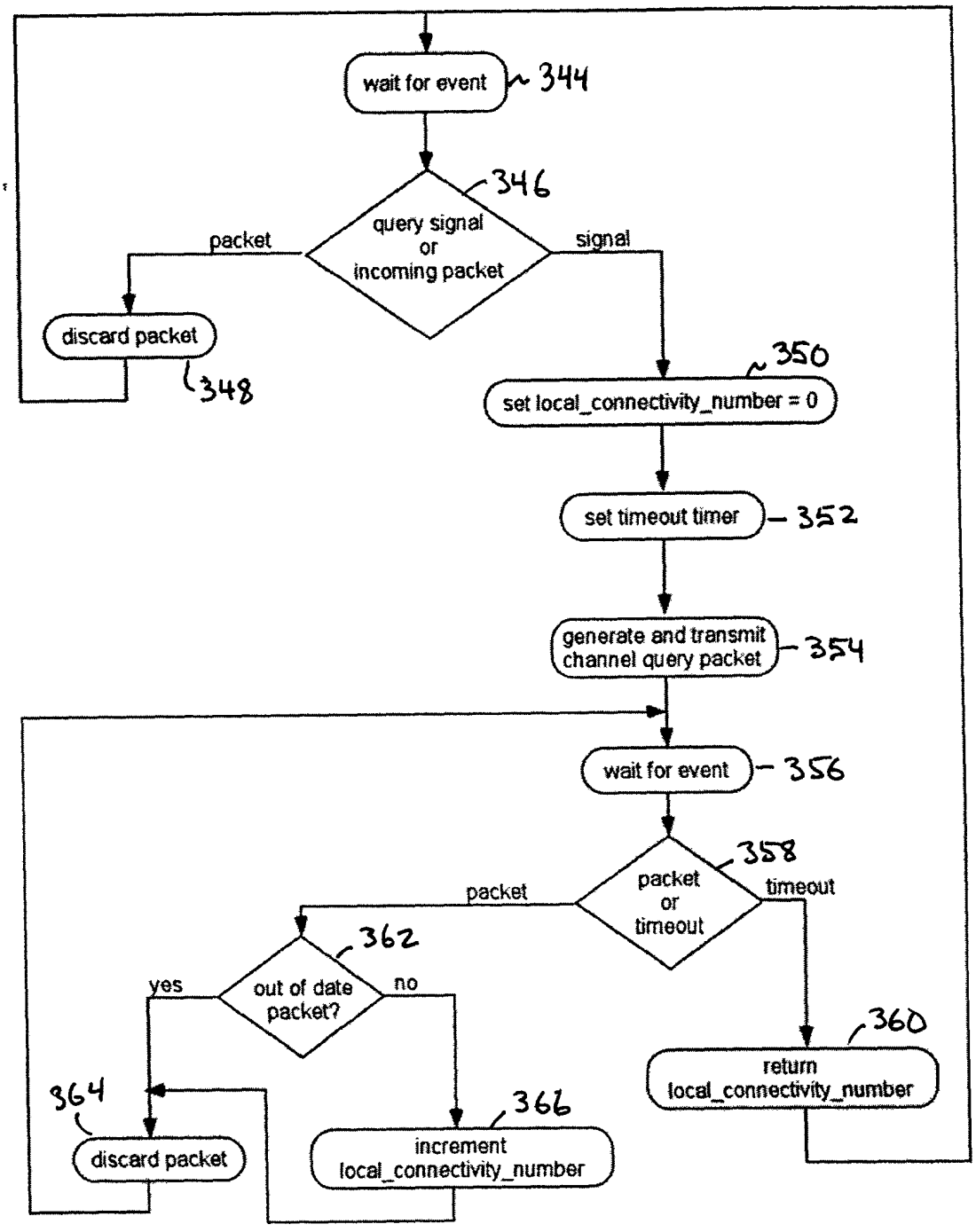

FIG. 8

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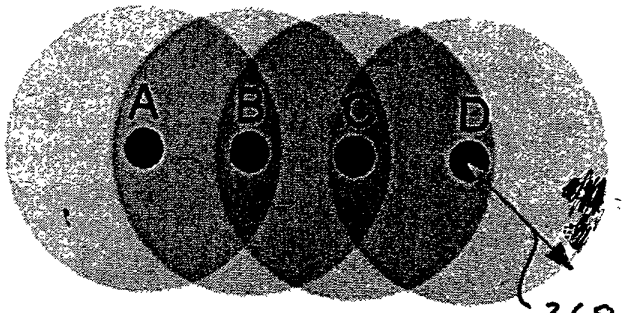

Fig. 9A

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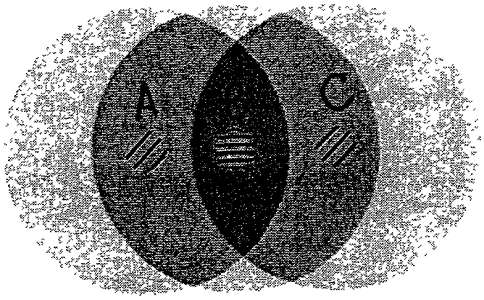

querying node

responding node

Fig. 9B Local Connectivity Number = 2

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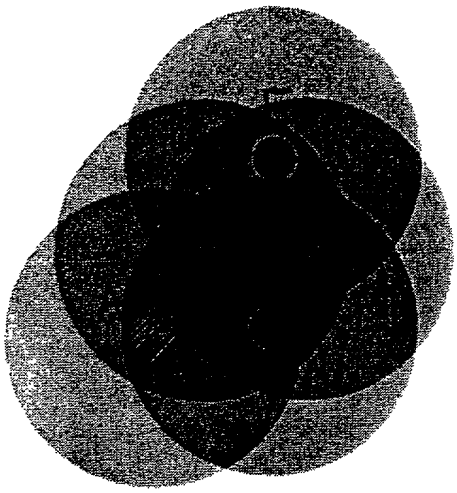
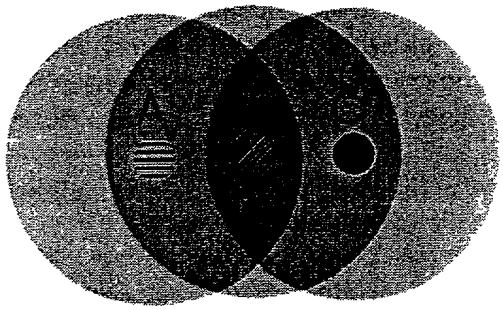


querying node

responding node

Fig. 9C Local Connectivity Number = 2



querying node

responding node

Fig. 9D Local Connectivity Number = 1

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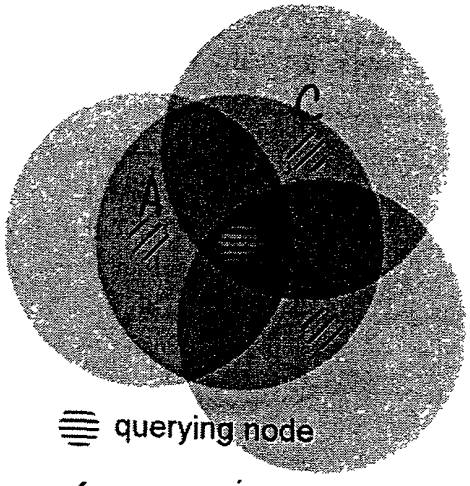

Fig. 9E Local Connectivity Number = 3

4626254 .462605

13|15

Channel Query Response Flow Chart

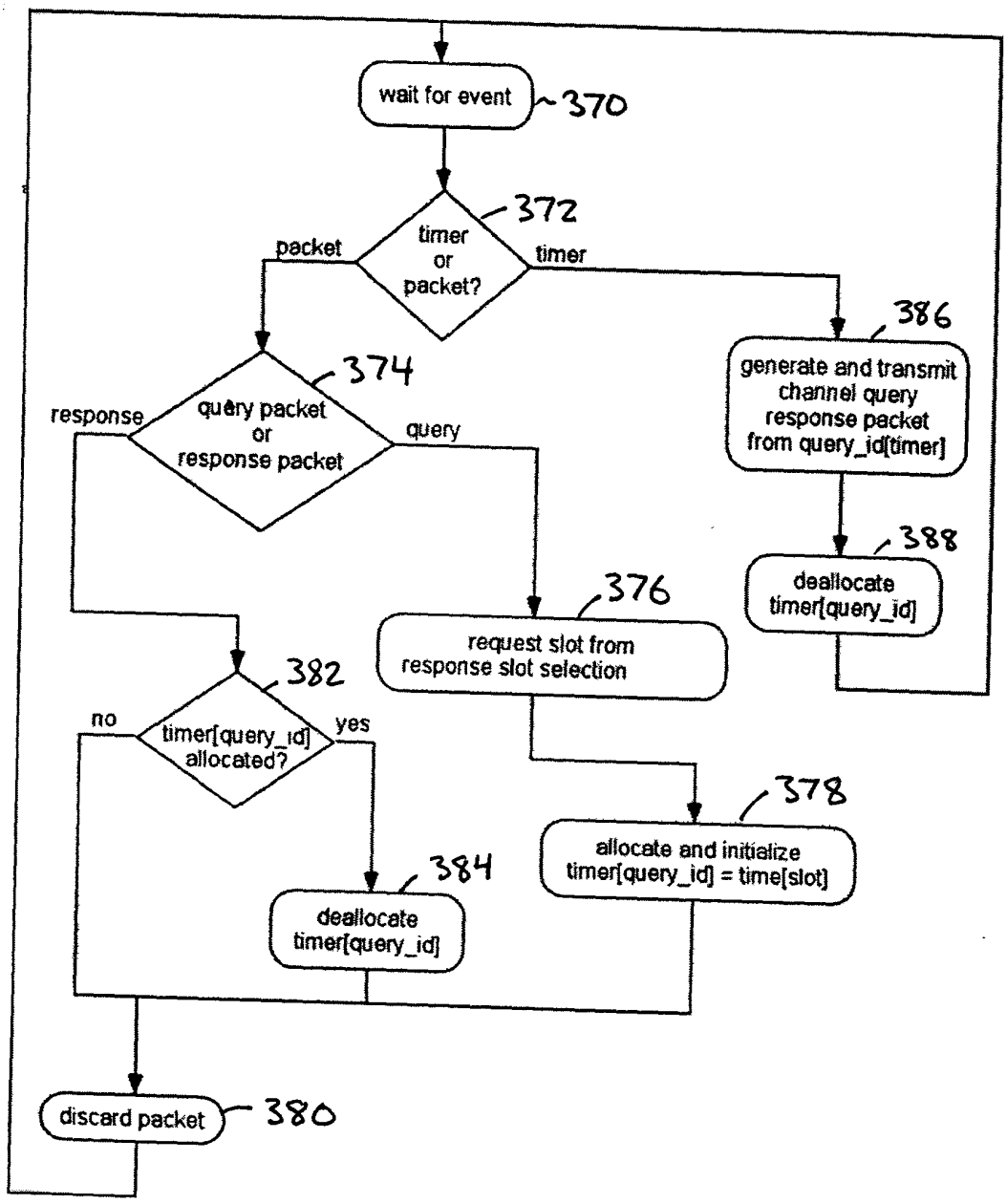

FIG. 10

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Packet Repeat Decision Flow Chart

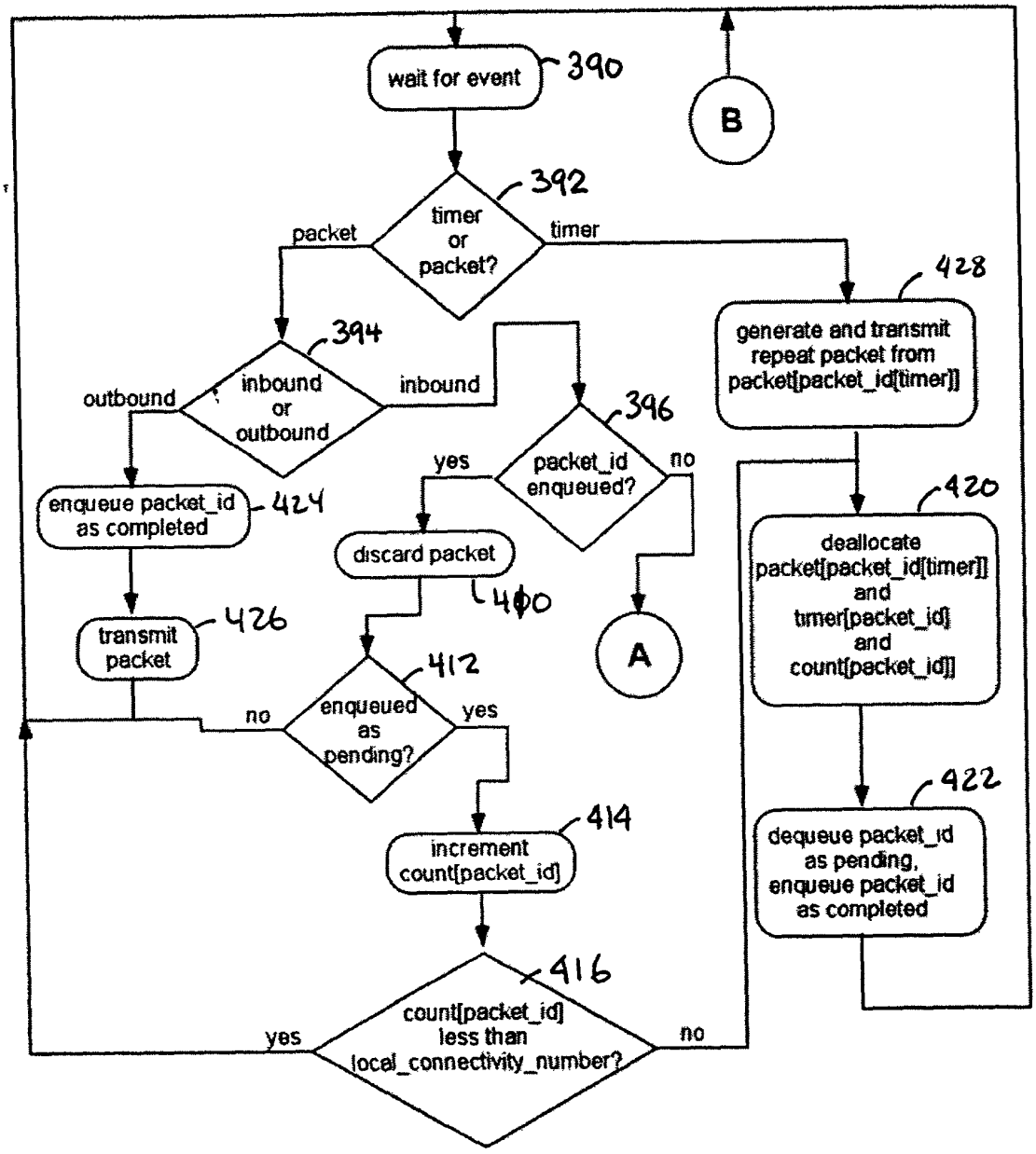

FIG. 11A

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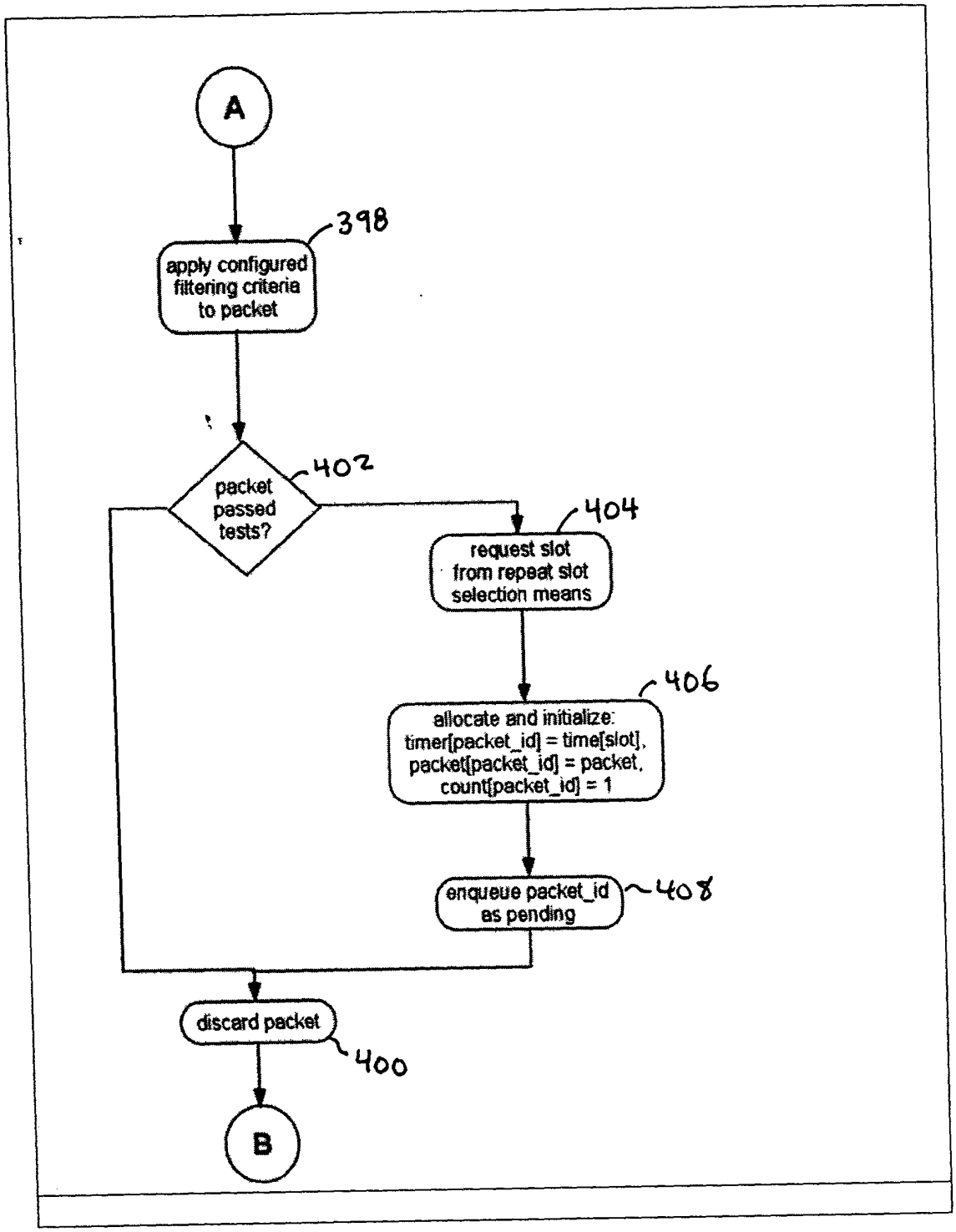
A
398
apply configured filtering criteria to packet
402
packet passed tests?
404
request slot from repeat slot selection means
406
allocate and initialize: timer[packet_id] = time[slot], packet[packet_id] = packet, count[packet_id] = 1
enqueue packet_id as pending
408
discard packet
400
B

FIG. 11B